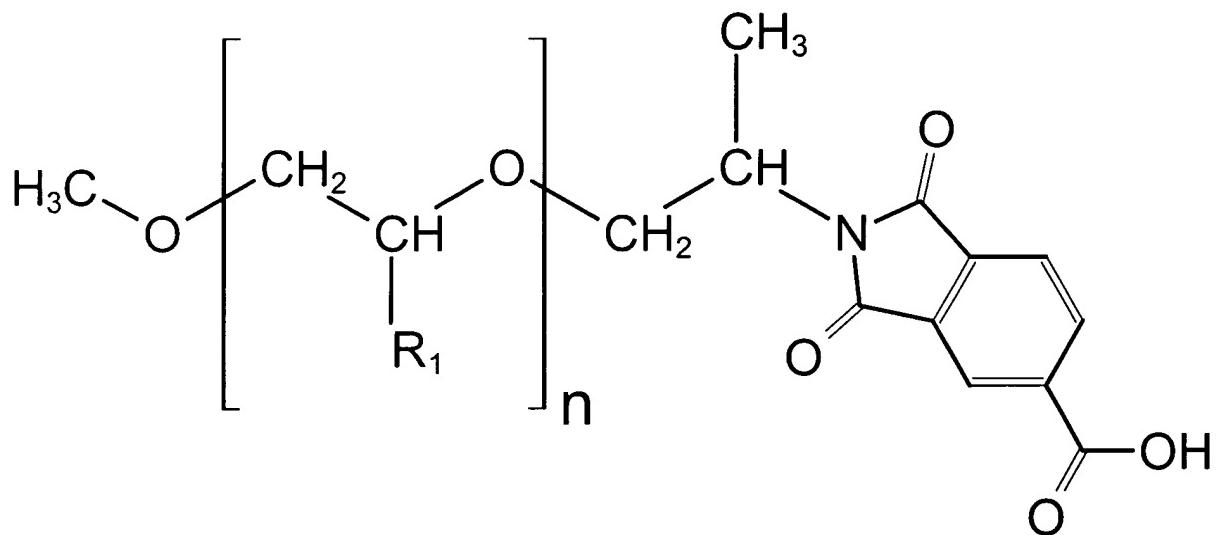


WHAT IS CLAIMED IS:

1. A polymeric dispersant compound for use in printing inks consisting
5 essentially of the structure:



wherein R_1 is selected from the group consisting of H , CH_3 , and a combination thereof, n is an integer from 4 to 200.

- 10 2. The compound of claim 1, wherein n is an integer from 20 to 65.
3. The compound of claim 2, wherein n is 35.
- 15 4. The compound of claim 1 further comprising an average molecular weight for the polymeric dispersant compound from about 1,000 to about 10,000.
5. The compound of claim 4 having an average molecular weight from about 1,000 to about 3,000.
- 20 6. The compound of claim 5 having an average molecular weight of about 2,200.
7. An energy curable printing ink composition containing the compound of claim 1.

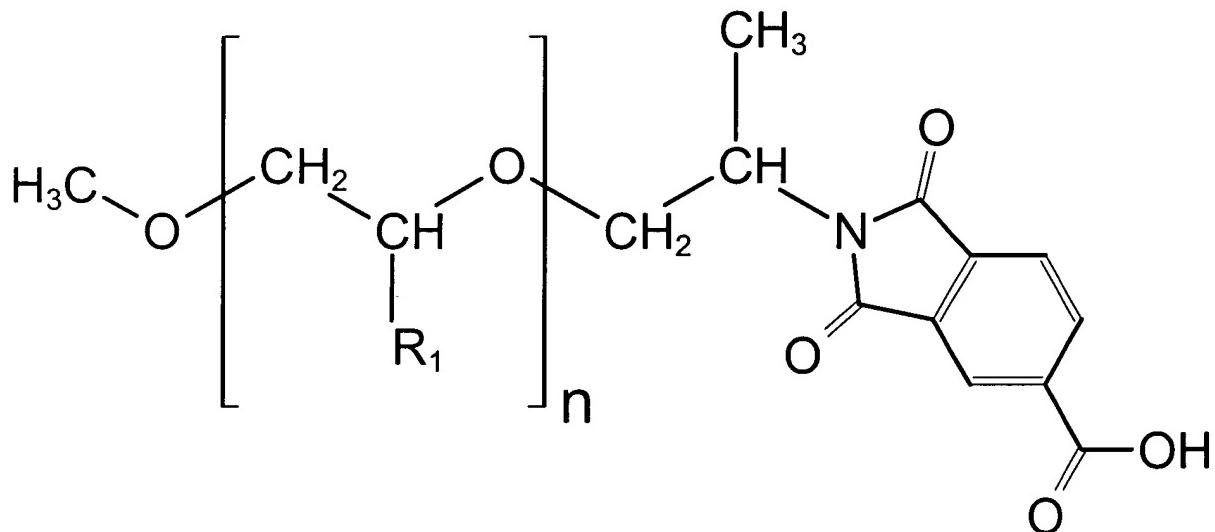
8. A solvent based printing ink composition containing the compound of claim 1.

9. A water based printing ink composition containing the compound of
5 claim 1.

10. A method for reducing the viscosity of an energy curable printing ink by adding the compound of claim 1.

10 11. A method for increasing the gloss of an energy curable printing ink by adding the compound of claim 1.

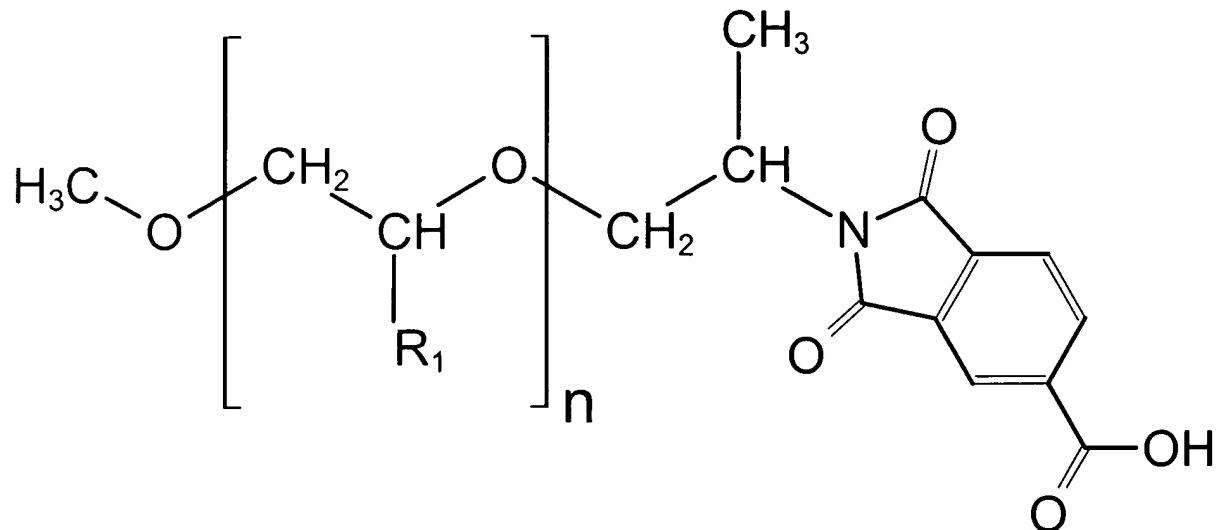
12. A polymeric dispersant compound for use in printing inks being the reaction product of reacting a polyoxyalkene amine with 1,2,4-
15 benzenetricarboxylic acid anhydride consisting essentially of the structure:



wherein R_1 is selected from the group consisting of H , CH_3 , and a combination thereof, and n is an integer from 4 to 200.

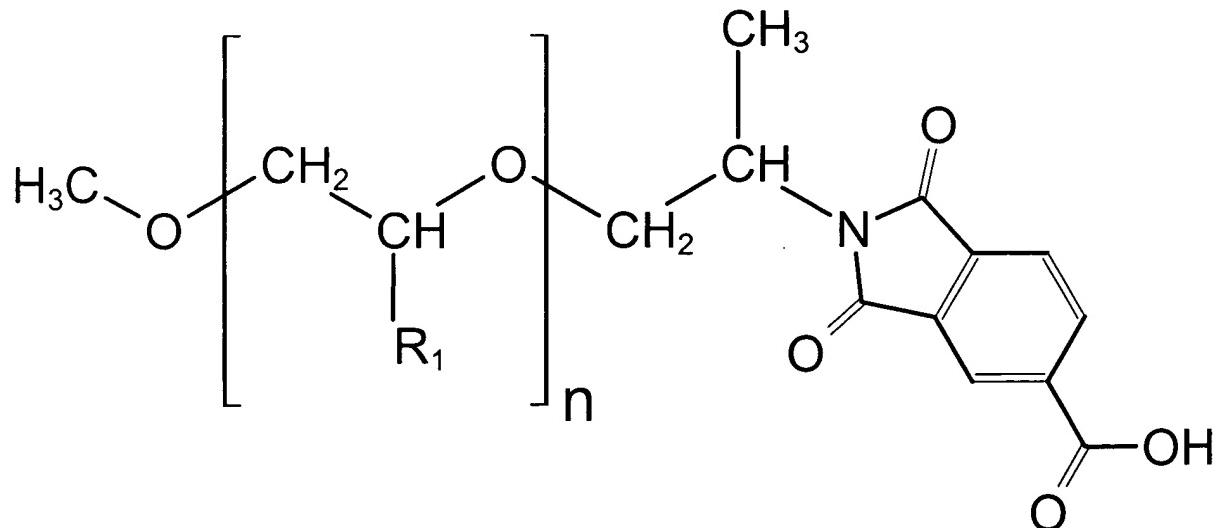
20 13. The compound of claim 12 wherein the polyoxyalkene amine is selected from the group consisting of a copolymer of polyethylene oxide and a polypropylene oxide.

14. An energy curable printing ink polymeric dispersant additive of the structure:



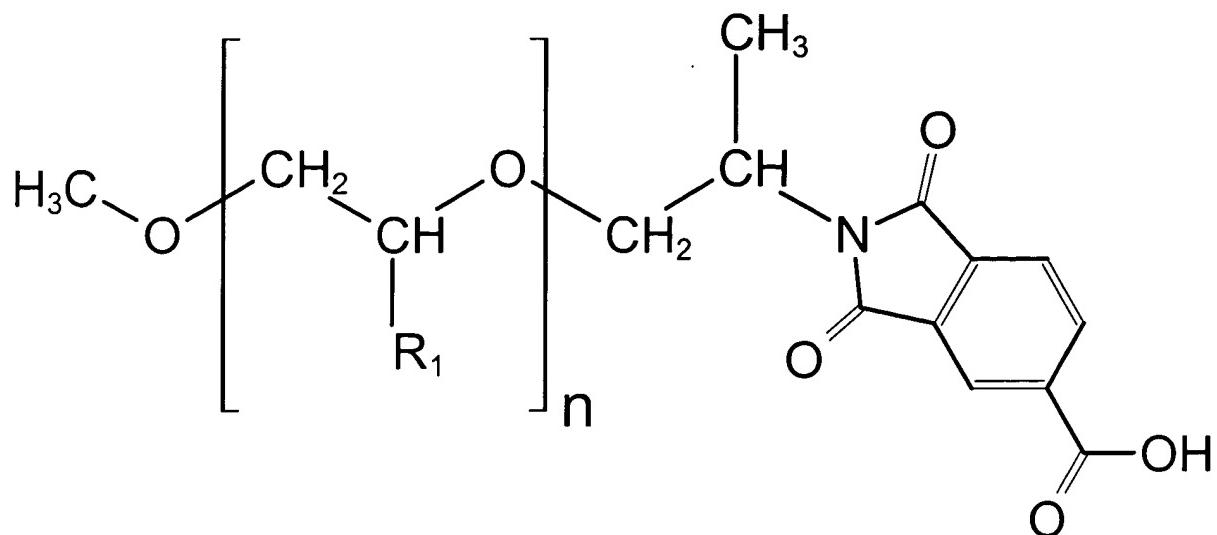
wherein R_1 is selected from the group consisting of H , CH_3 , and a combination thereof, and n is an integer from 4 to 200.

15. A viscosity reducing printing ink polymeric dispersant additive of the structure:



wherein R_1 is selected from the group consisting of H , CH_3 , and a combination thereof, and n is an integer from 4 to 200.

16. A gloss increasing energy curable printing ink polymeric dispersant additive of the structure:



wherein R_1 is selected from the group consisting of H , CH_3 , and a combination thereof, and n is an integer from 4 to 200.

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